

LOCKHEED CALIFORNIA COMPANY		ENGINEERING STUDY <input checked="" type="checkbox"/>		LAC - 132						
DATE 24 JULY 1962		AFFECTS: WSPO <input checked="" type="checkbox"/>		PROJECT <input checked="" type="checkbox"/>						
NAME OF MAJOR COMPONENT EJECTION SEAT SYSTEM		PART OR LOWEST SUBASSEMBLY CATAPULT		PART NO. & MODEL OR TYPE						
TITLE OF PROPOSAL : QUALIFICATION OF ROCKET POWER CATAPULT P/N 2202-11										
NATURE OF PROPOSAL : TO CONTRACT A QUALIFICATION TEST PROGRAM ON THE P/N 2202-11 CATAPULT AS OUTLINED ON PAGES 2 & 3.										
REASON FOR PROPOSAL : TO QUALIFY THE ROCKET POWER P/N 2202-11 CATAPULT FOR USE IN THE EJECTION SEAT SYSTEM.										
ES	ESTIMATED COST AND TIME INVOLVED : <input type="text"/> (Qualification Testing) 6 Weeks STAT									
	ADDITIONAL FUNDING REQUIRED : NONE SP-1923									
CP	ESTIMATED COST FOR KITS OR PARTS :									
	ADDITIONAL FUNDING REQUIRED :									
ITEMS AFFECTED BY PROPOSAL :										
SAFETY <input checked="" type="checkbox"/>	MISSION EFFEC- TIVENESS <input type="checkbox"/>	PERFORM- ANCE <input type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>	INTER- CHANGE- ABILITY <input type="checkbox"/>	WEIGHT OR WEIGHT & BALANCE <input type="checkbox"/>	TOOLS & SUPPORT EQUIPMENT <input type="checkbox"/>	MAINTENANCE PROCEDURE <input type="checkbox"/>	SERVICE LIFE <input type="checkbox"/>	FLIGHT MANUAL <input type="checkbox"/>	MAINTENANCE MANUAL <input type="checkbox"/>
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD NONE										
SOURCE OF PARTS FOR KIT -				AVAILABILITY _____ WEEKS AFTER APPROVAL -						
DISPOSITION OF SPARES AFFECTED NONE										
INITIATED BY: Approved For Release 2002/10/31 : CIA-RDP89B00980R000200180060-8 WSPO/PROJECT				APPROVED BY: _____ PROJECT						

STAT

QUALIFICATION TEST PROGRAM

- (a) Inspection - All units, cartridges and details.
- (b) X-Ray (36 units + cartridges).
- (c) Vibration - six units - Procedure XII MIL-E-5272C except as noted below:

Run entire 9 hours @ 200°F on 2 units.

Run entire 9 hours @ 70°F on 2 units.

Run entire 9 hours @ -65°F on 2 units.

- (d) Shock Test - 6 units per Proc. V MIL-E-5272C.
- (e) Drop Test - 6 units per Paragraph 4.5.11 of MIL-C-25918.
- (f) Static Firing - 30 units, 10 @ +200°F, 10 @ ambient and 10 @ -65°F. Units which were vibrated to be fired at same temperature at which they were vibrated. Shock and Drop units to be fired, 2 each at -65°F, +70°F and +200°F.
- (g) Lock Shut - 6 units to be fired locked shut at 70°F.
- (h) Leakage Test - All 90 cartridges.
- (i) Static Fire 10 Cartridges at 70°F in a closed bomb with 70 cubic inches volume.
- (j) High Temperature Test - 10 Cartridges 50 hours @ 200°F. Disassemble, inspect and discard 5 Cartridges. Fire 5 @ 70°F.
- (k) Low Temperature Test - 10 Cartridges - 20 hours at -65°F. Disassemble, inspect and discard 5 Cartridges. Fire 5 @ 70°F.
- (l) Temperature Shock Test - 10 Cartridges per Proc. I of MIL-E-5272C. Disassemble, inspect and discard 5 Cartridges. Fire 5 @ +70°F.

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QUALIFICATION TEST PROGRAM (cont)

(m) Humidity Test - 10 Cartridges per Proc. I of MIL-E-5272C.

Disassemble, inspect and discard 5 Cartridges. Fire 5 @ +70°F.

(n) Salt Spray Test - 10 Cartridges per Proc. I of MIL-E-5272C.

Disassemble, inspect and discard 5 Cartridges. Fire 5 @ +70°F.

(o) Sand and Dust Test - 10 Cartridges per Proc. I of MIL-E-5272C.

Disassemble, inspect and discard 5 Cartridges. Fire 5 @ +70°F.

(p) Vibration Tests - 10 Cartridges per Proc. XII MIL-E-5272C

except the temperatures to be 200°F, +70°F and -65°F equally divided.

Disassemble, inspect and discard 5 Cartridges. Fire 5 @ +70°F.

(q) Shock Test - 10 Cartridges per Proc. V MIL-E-5272C.

Disassemble, inspect and discard 5 Cartridges. Fire 5 @ +70°F.